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Comparison of Gene Expression in Taxane Sensitive vs. Resistant Tumors

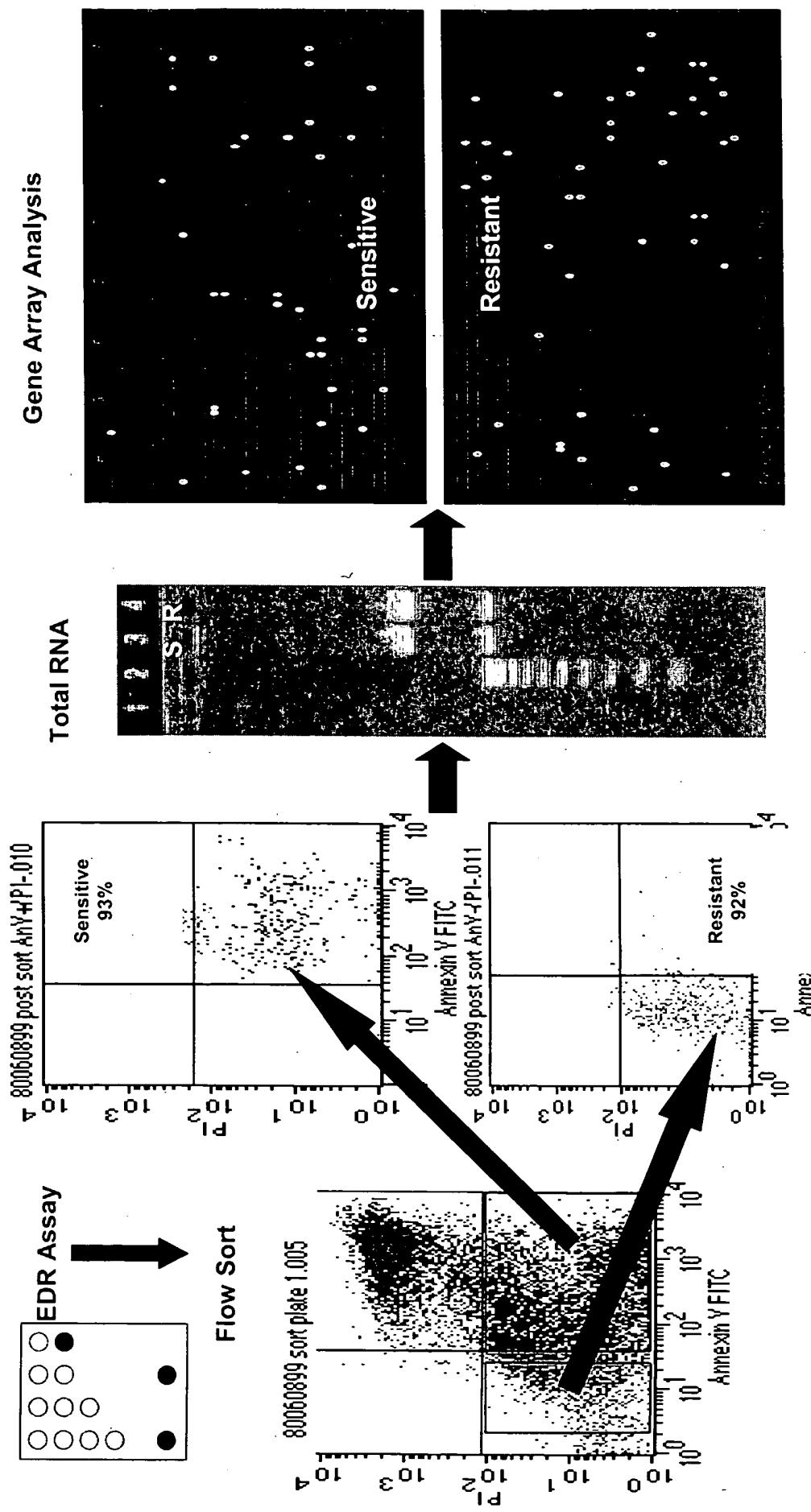


FIGURE 1

Extreme Drug Resistance (EDR[®]) Assay

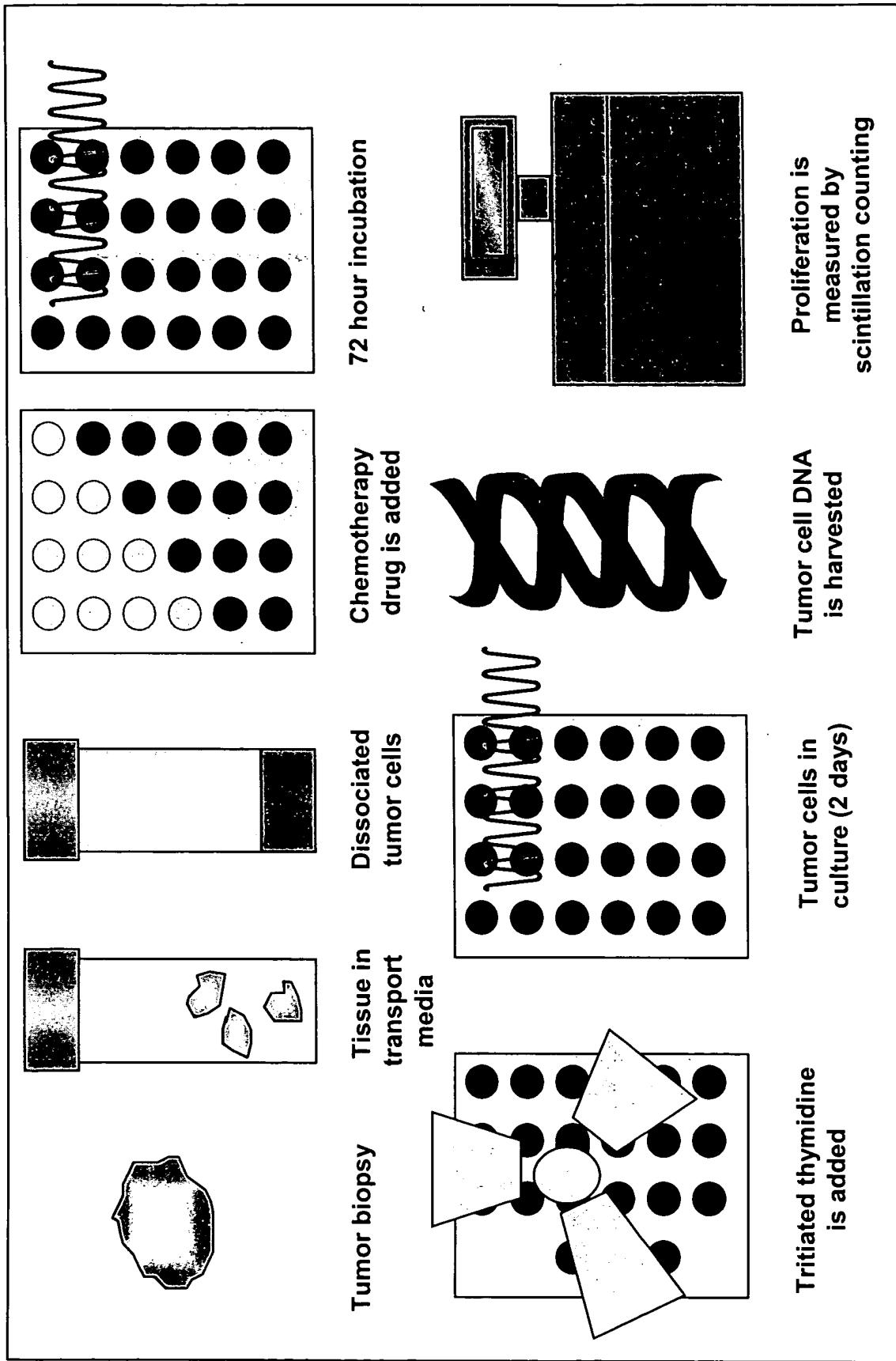


FIGURE 2

Oncogene Expression Based Cell Sorting

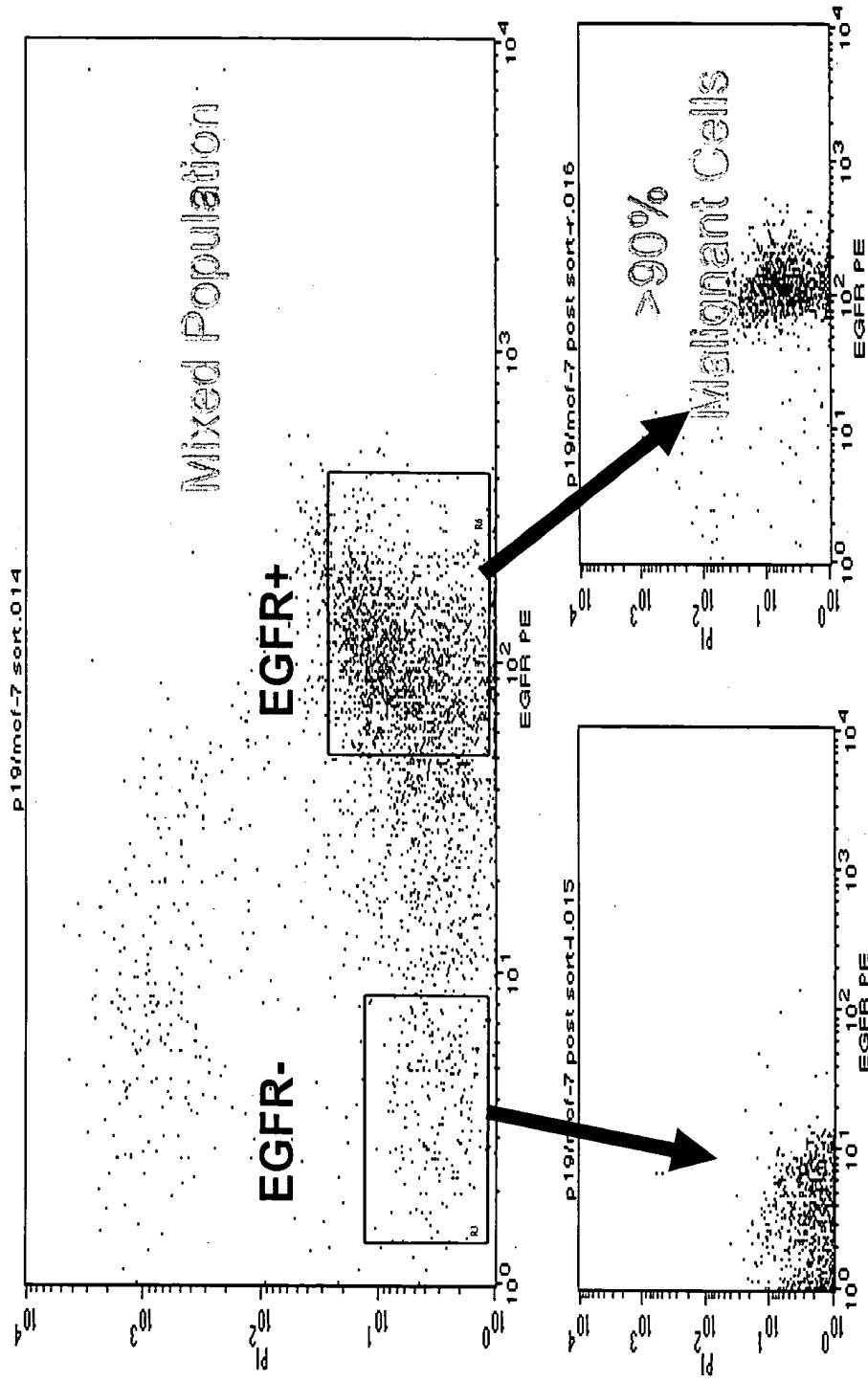


FIGURE 3

Cell Sorting of Tumor Derived Vascular Endothelial Cells

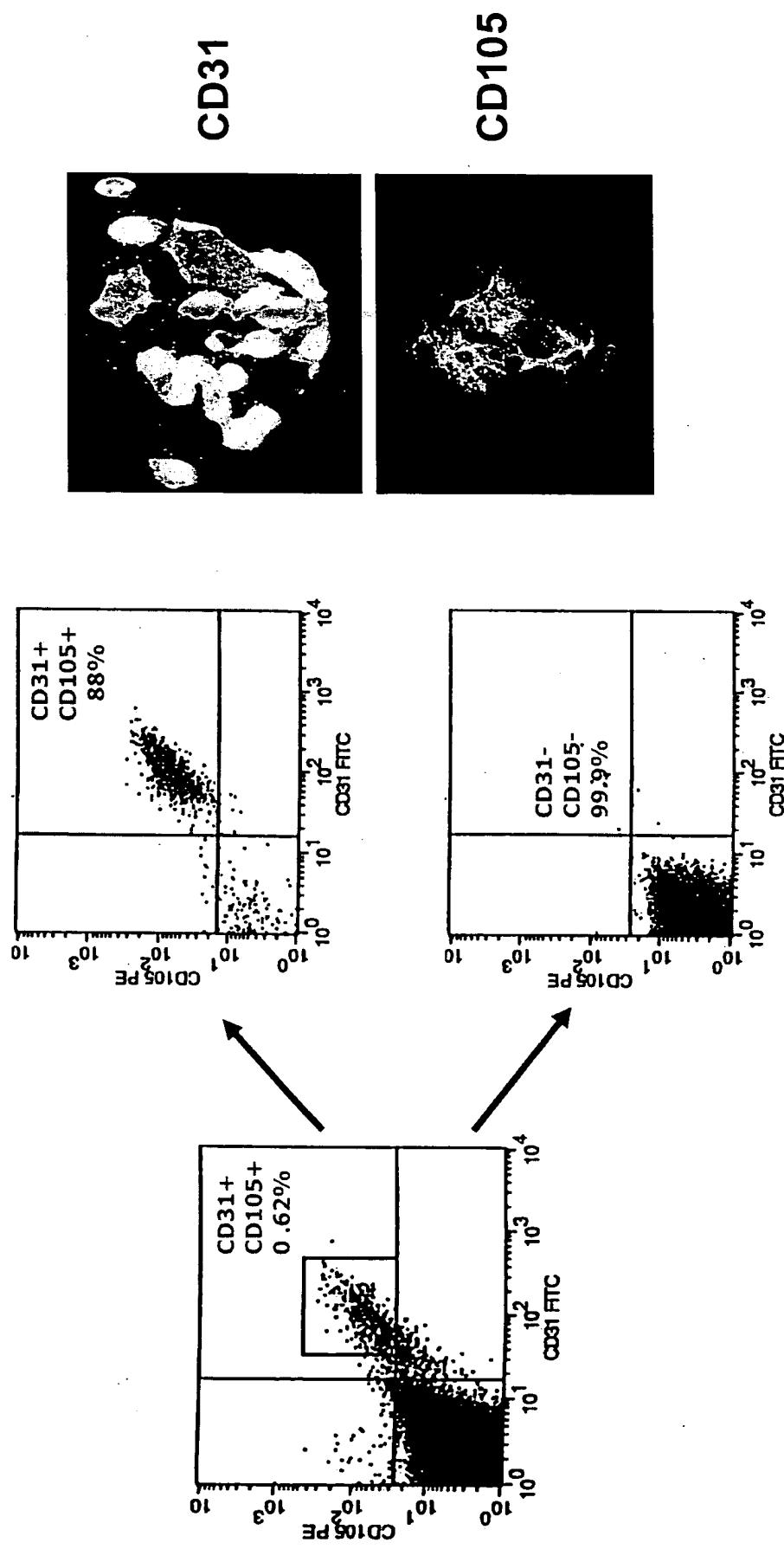
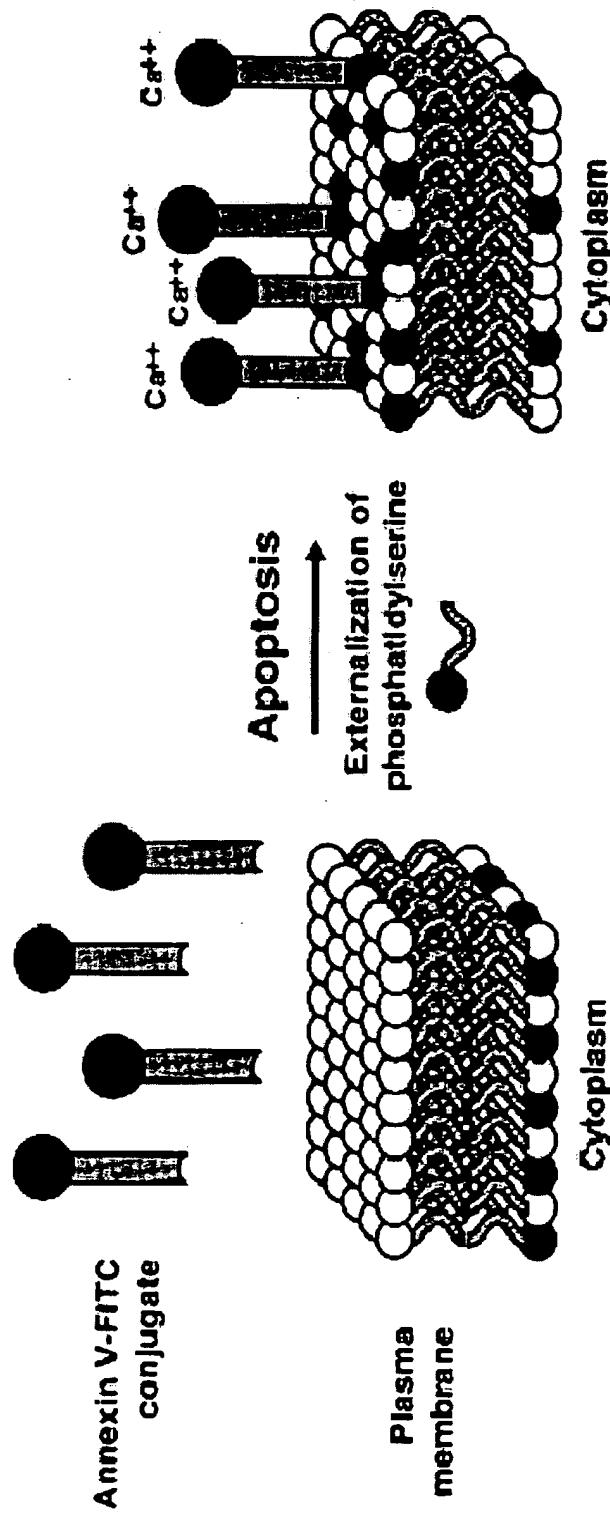


FIGURE 4

Annexin V Apoptosis Assay



Schematic Representation of the Annexin V Assay. Early in apoptosis, phosphatidylserine (PS) is translocated from the inner to outer surface of the plasma membrane. In the presence of Ca^{2+} , Annexin V has a high affinity for PS. In unfixed cells, Annexin V binds only to PS that has been exposed to the external milieu.

FIGURE 5

Taxane Sensitive and Resistance Subsets by Annexin V and Propidium Iodide Based Cell Sorting

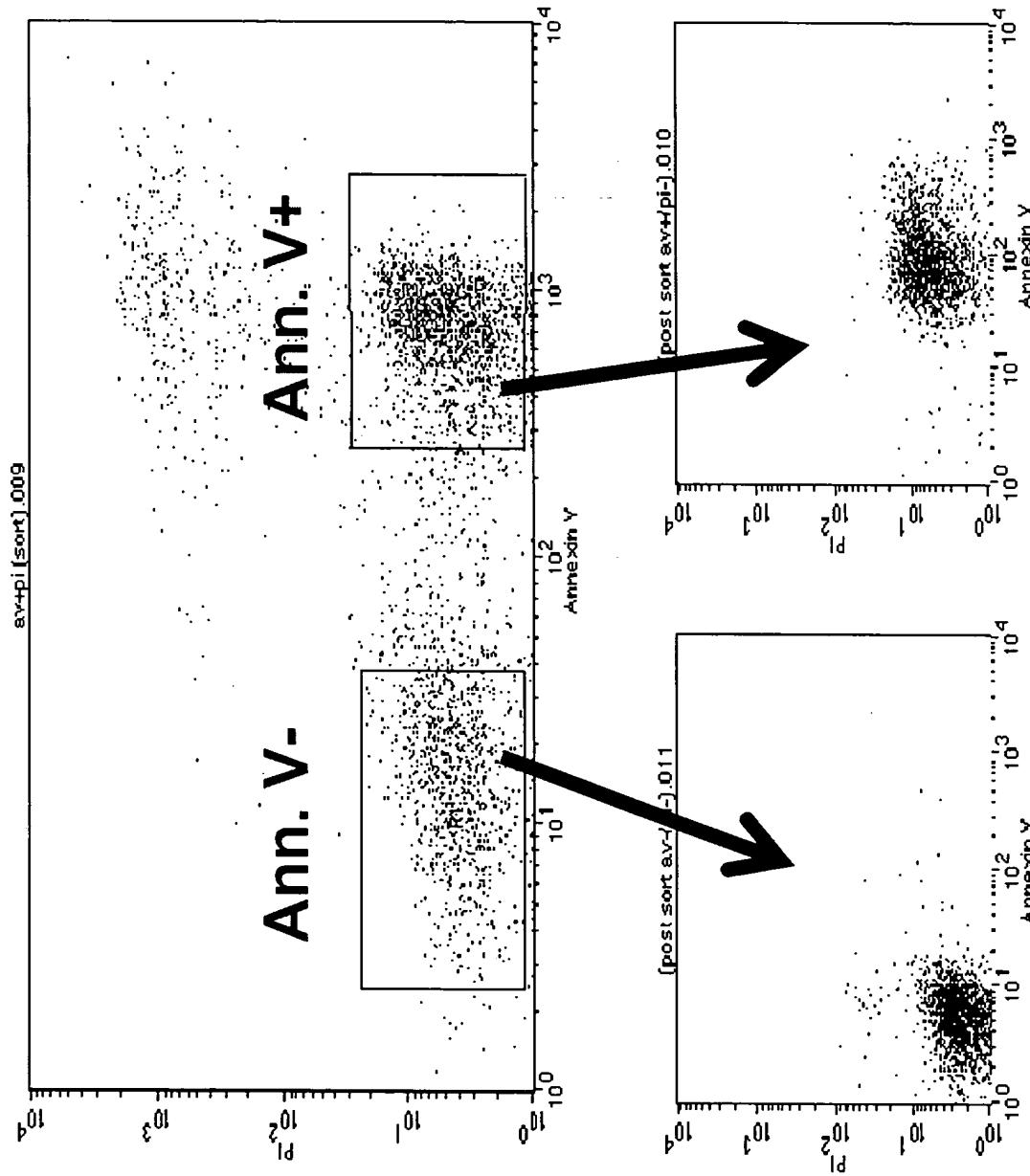


FIGURE 6

Comparison of Induced Gene Expression by Taxane Sensitive vs Resistant Breast Cancer

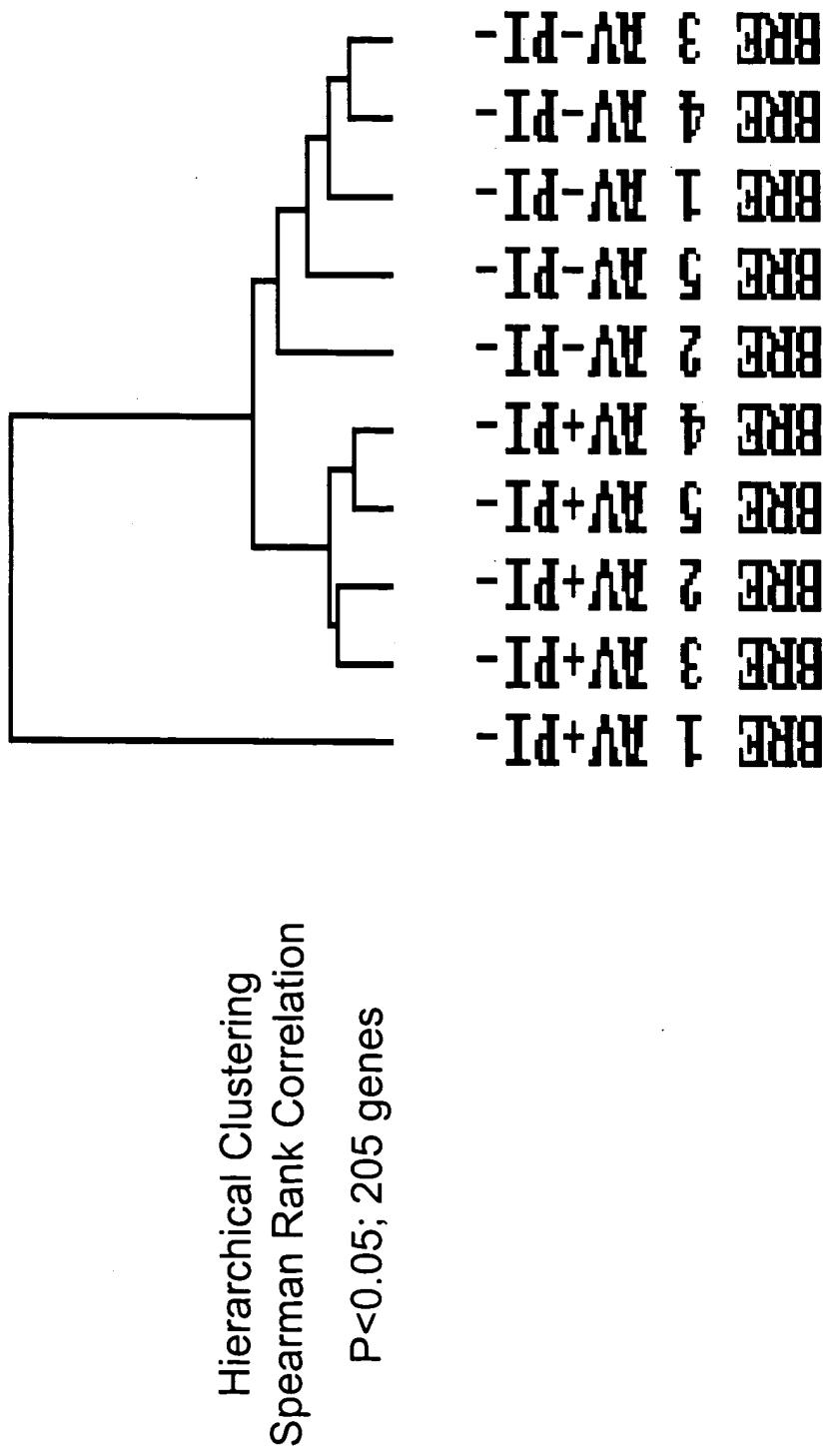


FIGURE 7

Venn Diagram Isolation of Genes Related to In Vitro Taxane Response Class

Increased in Sensitive Tumors/Cells

Increased in Resistant Tumors/Cells



FIGURE 8